

# ANAND KUMAR K

Programmer

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Passionate Software Developer with 2.7+ years of experience in Unisys Mainframe USAS applications, skilled in FORTRAN and COBOL for enhancements and bug remediation. Strong in troubleshooting and creating effective test plans to reduce defects. Focused on delivering reliable, production-ready application changes and committed to continuous learning and process improvement.

## EDUCATION

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### Pursuing Masters of Computer Applications

Sep-2025

Manipal University, Sikkim

### Bachelor of Computer Applications

Jun-2020

Nallamuthu Gounder Mahalingam College

Bharathiar University, Pollachi

- Overall - 76%

## NOTABLE PROJECTS

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( More details on the projects can be found in my [portfolio](#). )

### Cargo Airline Projects:

#### Handling Aircraft Movement Control Message (MVT) - Air Canada

Ensures MVT messages are matched to the correct flight instance, even when two flights with the same number operate on the same UTC date, preventing incorrect data updates and improving operational accuracy and customs reporting accuracy.

Enhances Cargo Core to parse the SI LT\_FLIGHT\_DATE in incoming MVT messages to capture the local departure date. Uses that local date to match MVTs to the correct flight when the same flight number operates twice on the same UTC Day, preventing incorrect updates.

#### Freight Status Update (FSU) - Air Canada

Improved Cargo iQ milestone tracking at non-mechanized and third-party stations, enhancing visibility across the entire shipment journey and data integrity. Enabled Cargo Core to forward incoming FSU FOW, FIW, and FSU DIS (EHCP, MSCA, FDCA, OVCD, SSPD, MSAW, OFLD) messages with OSI/CIQ details to Cargo In-Transit, ensuring externally initiated events are fully captured.

#### Reporting Intra-Airport Cargo Tracking to Customs - Air Canada specifically for European Country

Delivered accurate reporting for intra-airport transfers and final deliveries in compliance with European Customs regulations, improving cargo traceability, security, and regulatory adherence. Provided customs authorities with customs-clearance numbers or bonded-warehouse identifiers to validate that all cargo movements occurred under authorized customs control.

Enabled Cargo Core to capture customs-warehouse locations in FSU RCS/RCF/DEP messages using a new warehouse field and "W" Special Message Option, and enhanced FSU DLV messages to include OCI details such as customs-clearance numbers or bonded-warehouse identifiers.

### Research Projects (BCA):

#### High Secure Image Based Authentication System

A system that efficiently helps staff hide the question bank material for security purpose based on the method of Image Steganography; it generates personalized recommendations for storing Attendances details. Developed in HTML, CSS, and JavaScript as the frontend and PHP, SQL as the backend

## TECHNICAL SKILLS

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**Programming Languages :** FORTRAN, COBOL, DMS, HTML, CSS, Python, SQL

**Tools & Softwares :** Jira, ServiceNow, OS2200, QTerm, Git, Postman

## PROFESSIONAL EXPERIENCE

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**Software Engineer, Hexaware Technologies Limited**

**Mar 2023 - Till Date**

- Developed and maintained software solutions for air cargo management
- Collaborated with a team of developers on the integration of new features and enhancements
- Gather the requirements from customer for the new functionalities, review them with client-side SME's and move approved changes to Production
- Coordinated end-to-end delivery from requirement gathering to production deployment, ensuring smooth and timely releases
- Keep track of the Incidents/Defects/Enhancements
- Priority Calls, Incident Handling, Bug fixes and Enhancements Handling
- Handle the Incidents created in the application and respond to the business user on their queries/issues
- Handle the meetings like daily stand up calls, planning and retrospection meetings and demo calls
- Functional test case, user acceptance test, regression test, production system verification and functional support of the customer
- Provided services for carrying out enhancements to the existing applications, developing new modules, design and development of interfaces with other external applications and systems
- In addition, provided additional support to Air China Cargo, including production system verification and functional support services

## CERTIFICATIONS

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Certified for Python at Star Age Institute - 2024

Certified for Python Bible from Udemy & Great Learning Academy (Online) - 2025

## ACHIEVEMENTS & RECOGNITION

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- Received client appreciation for the Aircraft Movement Control Message (MVT) enhancement implemented for Air Canada.
- Received client appreciation for creating comprehensive test plans that improved release quality.
- Earned Managers recognition for delivering multiple application enhancements and for providing additional support to Air China Cargo.
- Rewarded Rockstar of Month Award. (Sep - 2025).
- Received Learning Trailblazer Award. (Q4-2024).